

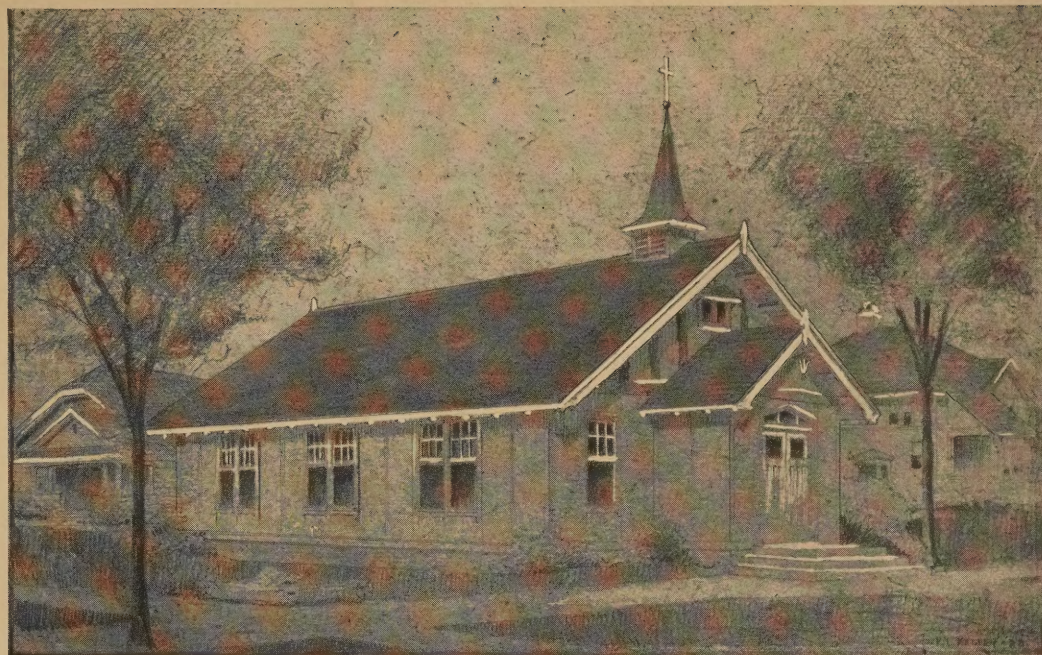
Portable Buildings

**CIRCLE "A"  
PRODUCTS  
CORPORATION**

A SUBSIDIARY OF THE ALEXANDER LUMBER CO

*Bell Phone  
Court 1871*

**PITTSBURGH**  
634 WABASH BUILDING



# CHURCHES

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# Solving a Pressing Problem of the Churches

## *How Circle A Sectional Churches Provide a Solution for Common Difficulties*

During the last few years there has been a widespread demand for Circle A Sectional Churches by all classes and types of church organizations.

In certain crowded sections of large cities they are used as mission churches. The ease and speed with which they can be obtained and erected has appealed strongly; in addition, they have been preferred because, when they are no longer needed in a given locality, they can be taken down and transferred to other sections of the city; or they can be given as a gift to struggling church organizations not as yet able to erect permanent buildings.

In smaller cities and villages where congregations and parishes have been hindered and hampered by ill-suited and makeshift quarters, they have provided an adequate center for church activity so that the church organizations using them could develop to the point where a permanent building would become financially possible.

In certain rural communities, where religious organizations have for years lacked adequate facilities, they have proved themselves entirely suitable for permanent buildings.

In certain cases where an old church has had to be torn down in order that a new one

could be erected, they have provided an admirable means of bridging the gap between the old and the new. Because of their portability, high salvage value, and adaptability for use as school and guild headquarters, they appeal both to the well-to-do—and to the less prosperous—parishes and congregations.

Each Circle A Church is composed of standard and interchangeable sections. For the walls these are three feet wide and as high as the building, measured from floor to roof. Doors and windows are completely contained within these sections, so that they can be located at any desired point and at will.

As described on succeeding pages, these double-built, air-spaced wall sections are so tight, so thick, and so thoroughly built that Circle A Churches are sturdier than many that are ordinarily put up as permanent buildings. Those who have never seen a Circle A Church, and know only the ready-cut and similar types of construction, are generally amazed by the pleasing appearance of the Circle A and by its weather-resisting qualities. Because of the construction of the wall and roof sections, and the double floor, these buildings are exceptionally easy to heat in cold weather and remarkably cool in summer.



*Interior of a Circle A Church*



# Made in Easily Handled, Standard and Interchangeable Sections Assembled by Being Bolted Together

The wall sections of a Circle A Church are three feet wide and two men can handle them easily.

Each section is completely finished outside and in, even including the plaster, picture moulding and baseboard on the inside.

The roof sections in 24-foot buildings are three feet wide, double built, exceptionally substantial, and complete with the exception of the roofing. The roofing material is green-slate coated, good looking and durable. This is shipped with the roof sections and is nailed on when the building is erected.

Both wall and roof sections are erected by being bolted together.

In the window and door sections, the doors and windows are in place and ready for use, including the glass, hinges, locks, and fasteners. Sufficient flooring material for a sub-floor, and intermediate building paper to insulate against weather and sound, are shipped with each building.

On the outside, Circle A Churches are stained an attractive and durable brown that will not require attention for years. The doors and window frames are pure white, having received a coat of lead and oil.

With the foundation—consisting of cedar posts, girders and skirting completely to enclose it—we furnish substantial “mud sills” for each of the posts to rest upon; the result is a foundation more than strong enough to support any load that it may have to bear.

If it is desired to provide a foundation of concrete or brick, we will be glad to furnish a plan for it. When a foundation other than our standard one is used we make deductions

for the material that would otherwise be furnished.

There are no extras. When you send for a Circle A Church you get every nail and bolt and piece of material shown in the plan for that building, with the exception of the furniture and the furnace. The latter we can supply, if it is desired. We do not, however, furnish lighting or plumbing fixtures.

## Economical to Buy

All the advantages of volume production are in favor of Circle A Churches.

They are constructed in a factory especially designed for the work.

The materials for them are bought in large quantities—so that the best can be obtained at the lowest possible cost.

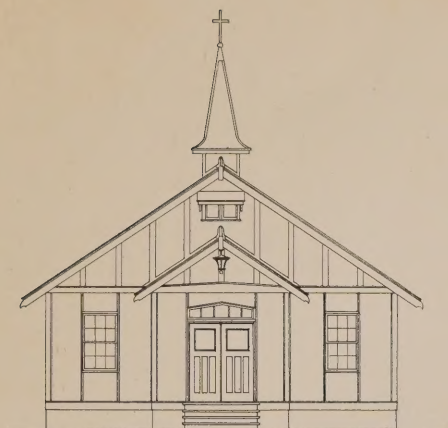
Because the sections are constructed indoors, the labor cost is lower than when men work under less ideal conditions.

Factory methods also permit the use of power machines as against the outside carpenter who has to do almost everything by hand.

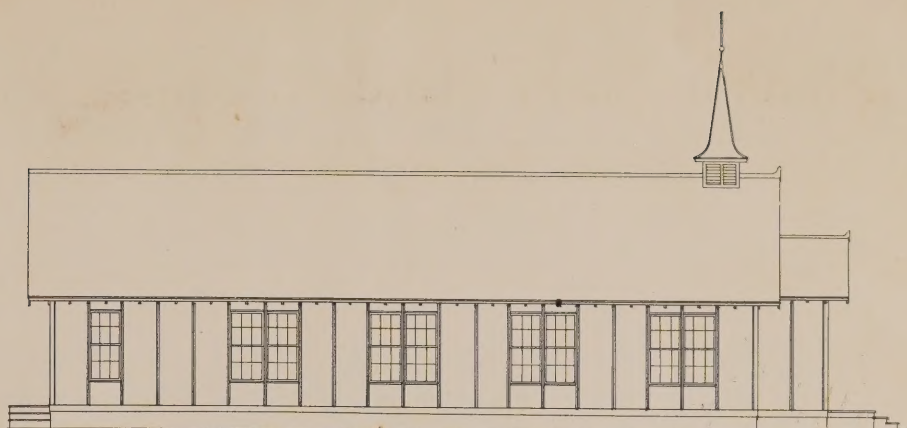
In addition, our methods of manufacture permit men to specialize on doing one thing well, with the usual resulting increase of production and quality over non-specialized labor.

Because of the economies thus effected, the purchasers of Circle A Churches get exceptional material and workmanship for their money.

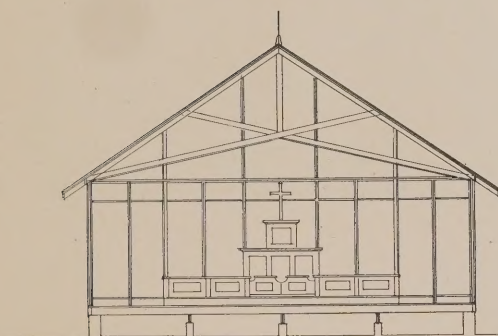
In addition, they get a complete building on short notice, within a few weeks after the order is placed.



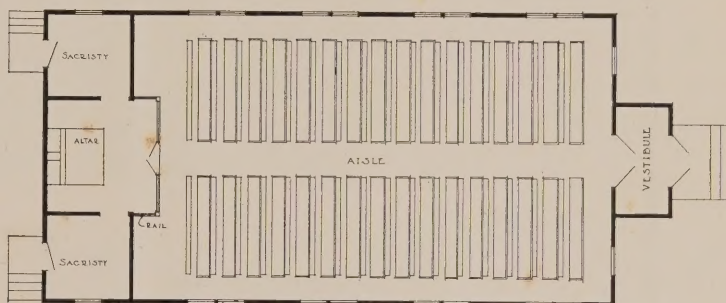
FRONT ELEVATION  
OF  
CHURCH THIRTY FEET WIDE



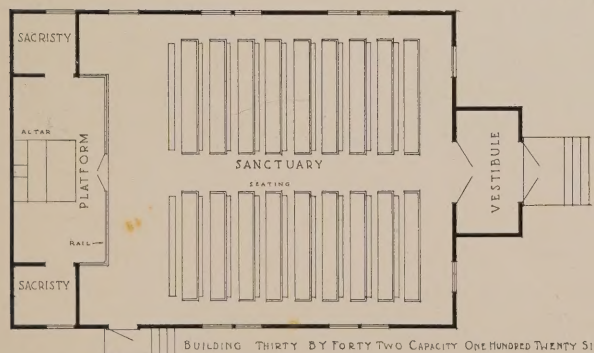
SIDE ELEVATION OF CHURCH THIRTY BY SIXTY



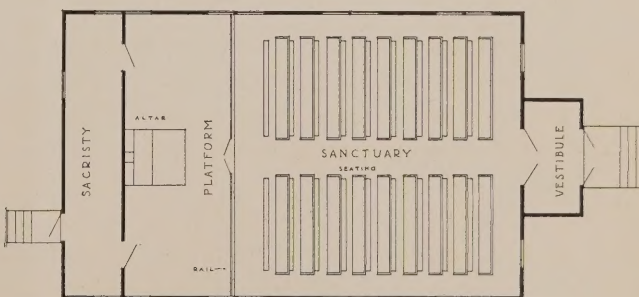
CROSS SECTION  
OF  
CHURCH THIRTY FEET WIDE



FLOOR PLAN OF CHURCH THIRTY BY SIXTY  
CAPACITY TWO HUNDRED TWENTY



BUILDING THIRTY BY FORTY TWO CAPACITY ONE HUNDRED TWENTY SIX

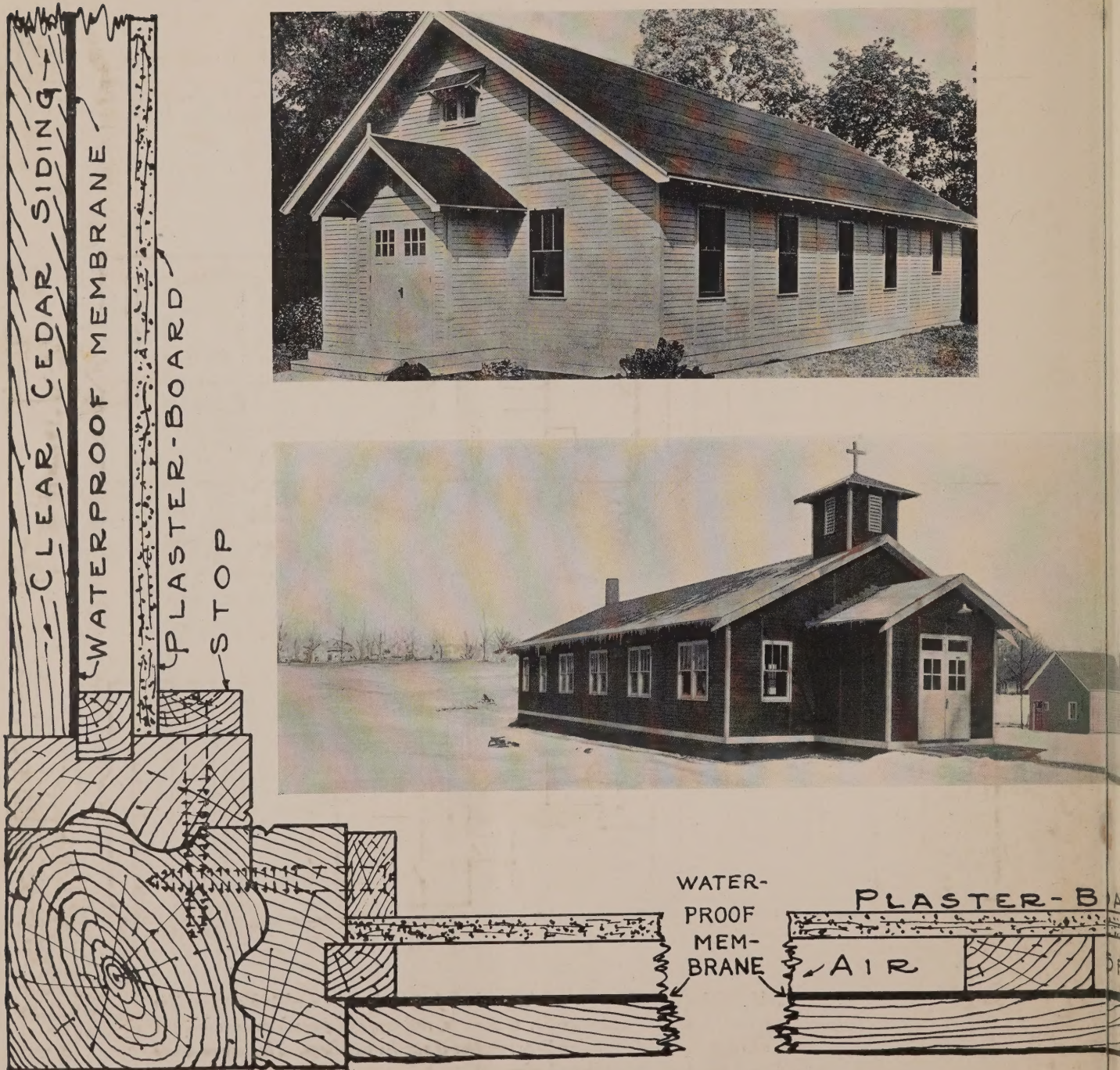
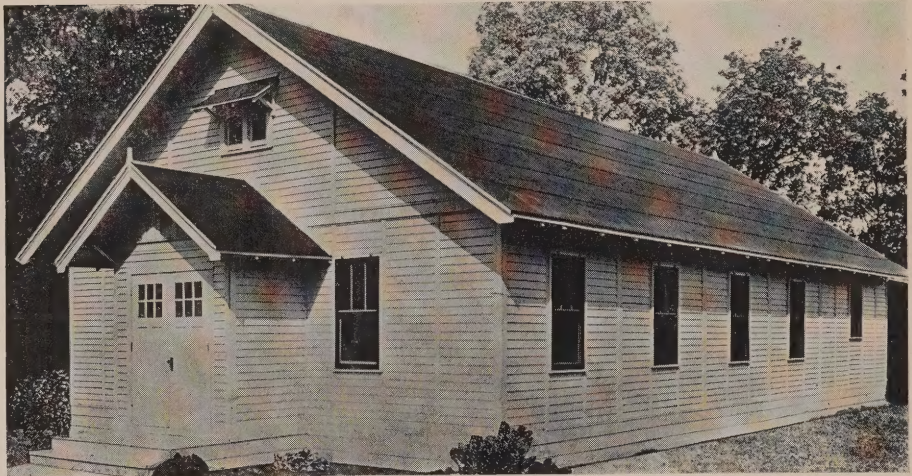


BUILDING THIRTY BY FORTY EIGHT CAPACITY ONE HUNDRED TWENTY SIX

*The buildings shown on this page are designed comfortably to accommodate a congregation for all church functions. The aisles together with doors, railings, and pews have been laid out by architects who have built and furnished large numbers of similar buildings. They are adequate for the number of people shown under each plan.*



# One Half Actual Scale Horizontal Showing





# Horizontal Cross Section Circle A Wall Construction

Look at the corner—shaped out of solid 4 by 4, reinforced with a stud worked from a 2 by 4 on both sides to practically a 6 by 6. That's strength just where it is needed most—on the four corners of your building.

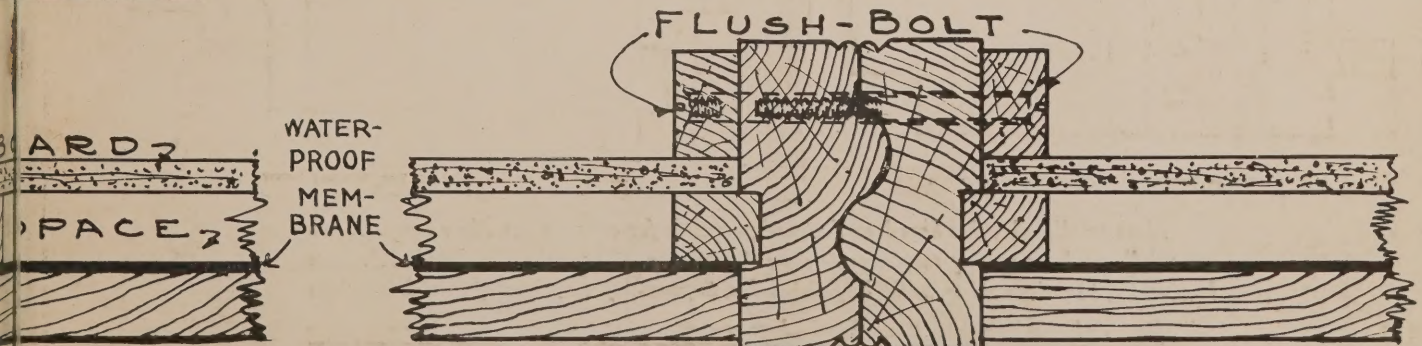
Notice the interlocking "S" shaped joints at the corners and between all sections of the walls—proof positive against all kinds of weather. In the walls, two of the 2 by 4 "S" jointed studs meet, making practically a 4 by 4 every 3 feet. Sturdy strength in every line is the motto of Circle A builders.

Count the layers in the wall—first, the siding, 6-inch clear Cedar; second, a substantial weatherproof membrane—not a common paper lining, it really keeps wind and damp out; third, an ample air space; fourth, plaster board—real sheets of plaster, that add a fine finish to the inside of the building and can be calcimined.

At the "S" joints, where the sections meet, the result is solid, continuous wall outside and in. All exposed screws are counter-sunk flush with the surface.

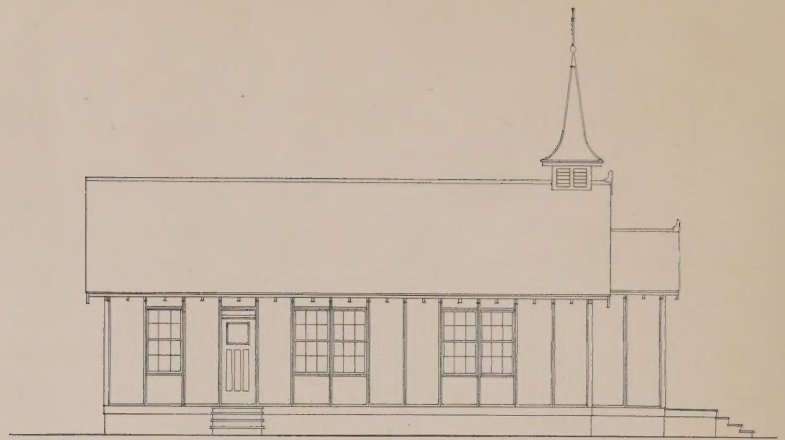
All exposed woodwork on the inside, except the floor, is stained brown; with the natural finish plaster walls, this produces an exceptionally pleasing church interior.

Circle A Churches are substantial in construction, and attractive in appearance both inside and out.

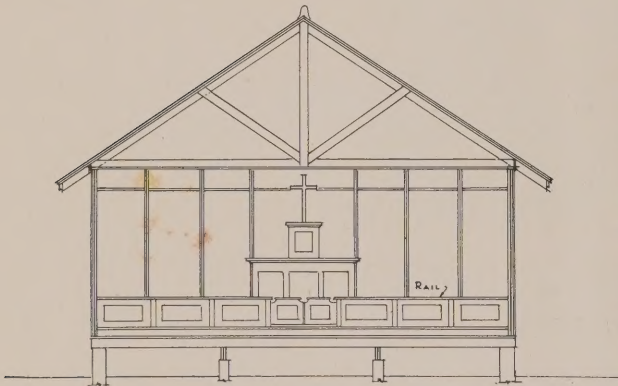




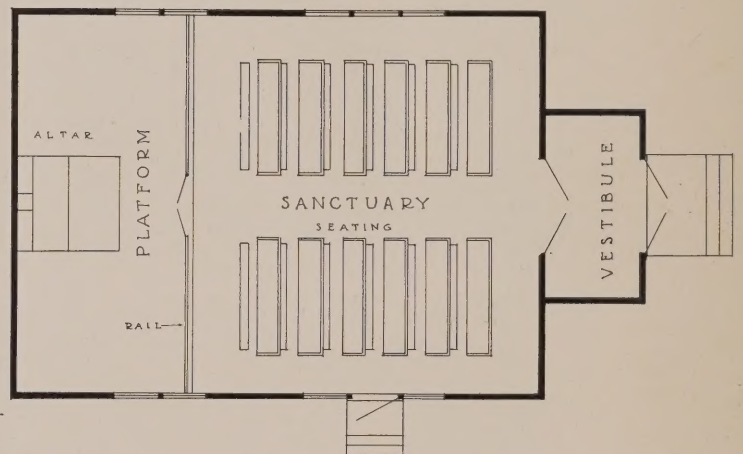
FRONT ELEVATION  
OF  
CHURCH TWENTYFOUR FEET WIDE



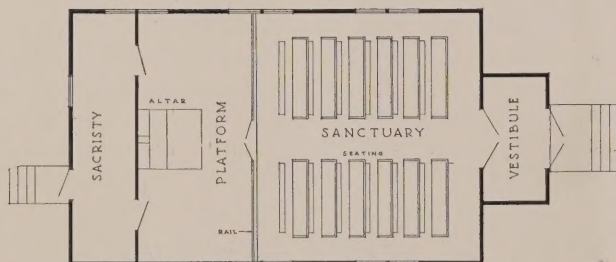
SIDE ELEVATION OF CHURCH TWENTYFOUR BY THIRTYNINE



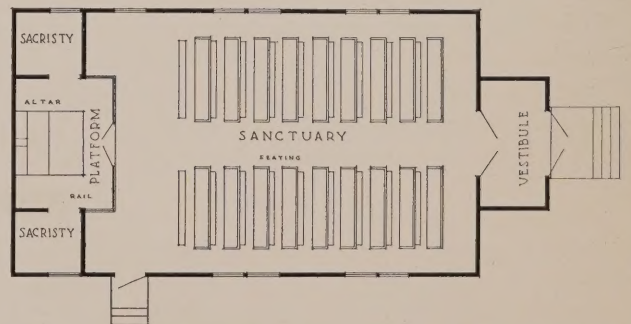
CROSS SECTION  
OF  
CHURCH TWENTYFOUR FEET WIDE



BUILDING TWENTY FOUR BY THIRTY THREE CAPACITY FIFTY



BUILDING TWENTY FOUR BY THIRTYNINE CAPACITY FIFTY



BUILDING TWENTY FOUR BY FORTY TWO CAPACITY NINETY

*These smaller churches have been designed primarily for communities where congregations are small and large seating requirements are not necessary. The aisles and door widths have been maintained the same as in the larger churches, to permit of the necessary church functions*

*Up to a limited capacity these church plans permit extension when the congregation grows larger.*



# Specifications of Circle A Churches

## General

With all Circle A Churches bought on these specifications, we furnish all material necessary for erecting the building proper on our standard wooden foundation.

All materials used are carefully selected for the purpose for which they are intended. With the exception of the doors, window frames, siding, and in some cases the finish flooring, the material is Southern Yellow Pine.

All Southern Yellow Pine used is of No. 1 grade, with the exception of roof sheathing, sub-flooring and the foundation skirting.

We are responsible for painting and staining in accordance with the paragraphs on painting.

The foundation, the skirting for enclosing it, and the material for steps are described in detail in the paragraphs on foundation.

These items, however, are not included in our quotations on buildings unless they are specifically mentioned. We do not provide lighting fixtures or furniture.

Complete drawings showing the various steps to be taken in erection are furnished prior to shipment.

## Foundation

The foundation furnished contemplates erection of the building with the floor not more than two feet above the average ground level.

The foundation blocks ("mud sills") are two inches thick and one square foot in area.

The posts are of cedar approximately six inches in diameter and of sufficient length to reach 2 feet 6 inches below the surface of the ground.

Skirting of one-inch pine is furnished in sufficient quantity to enclose the entire foundation.

Steps in "ready cut" condition are furnished for all outside doors.

If the distance from the floor to the average ground level varies from the two feet contemplated, more or less than the specified quantities of the above materials will be required.

The Circle A foundation as described above is of great importance to the purchaser. It saves money, it saves trouble and time in

erection, and it assures a foundation adequate for and in keeping with, the building proper.

## Floors

Circle A floors are double, with a layer of building paper between the sub-floor and the finished flooring. The unusually stout construction is of great importance in cold weather, and at all times assures the installation and sturdiness necessary for a building housing forty people.

The girders are 4" x 8", built up of 2 x 8's, to be spaced not more than 8 feet apart.

The joists are 2 inches by 6 inches. The spacing is 16 inches from center to center, with double joists under the partitions.

The sub-floor is 1 inch No. 2 Southern Pine floor boards.

Red Rosin building paper is furnished for placing between the sub-floor and the finished floor, to provide thorough insulation against wind and to prevent floor drafts.

The finished flooring is of 1 inch by 4 inch No. 1 Southern Yellow Pine. (If the purchaser prefers, No. 3 clear fir is furnished.)

## Walls

The Circle A wall sections are the primary element in making Circle A buildings so easy to erect. Because of their design, all door and window hanging is eliminated, the location of windows and doors can be changed at will; and all the work of erecting the walls can be done without driving a single nail.

All wall sections are shipped completely built and ready for bolting together. The side rails of the sections, which become the studding in the building, together with the heads and sills are all 2" x 4" and are mortised and tenoned and screwed together in the strongest manner. All wall sections whether blank or with window or floor are 3'0" wide by 9'9½" high and are interchangeable as to their location in building.

The siding which is applied in mill is of six-inch clear cedar. It is nailed to strips which are ploughed into the studding in such a manner as to prevent the passage of air. As a further precaution siding is lined or backed up with a waterproof membrane (see drawing showing walls).

All wall sections are lined on the inside with 3/8" plasterboard in such a manner as to leave



a one-inch air space between plasterboard and waterproof membrane. This construction is of great importance in keeping the buildings cool in warm weather and warm in cold weather.

Adjacent wall sections are joined together by means of bolts through studding (see drawing showing walls).

Sections with windows or doors are shipped with window sashes or doors already fitted into their respective frames which have been in turn built into the wall sections.

Outside gables are built in section with 2" x 4" framing very much like wall sections. Siding is clear over a waterproof membrane and the lining is of wallboard.

The gypsum center, as well as the two surfaces of plasterboard on the inside walls, are unusually good heat retainers in the cold season; they likewise keep out excessive heat in the warmer weather.

These walls are also the most economical to maintain, an occasional coat of calcimine being all that is required to keep them bright and clean.

### **Windows and Doors**

Outside doors are 2'10" x 6'10" by 1 $\frac{3}{4}$ " thick and have three vertical panels and one light. They are glazed with American Sheet Glass and have mortised locks and other hardware previously applied.

Windows are 2'10" x 4'10" and are of white pine stock. Upper and lower sashes have six lights each and are glazed with American Sheet Glass. Necessary hardware is applied before shipment.

### **Inside Partitions**

Inside partitions are similar to outside walls except that the wall sections and gables are constructed with two thicknesses of plasterboard with air space between in place of siding, waterproof membrane and plasterboard lining specified for outside walls.

Inside doors are 2'9 $\frac{1}{4}$ " x 6'10" by 1 $\frac{3}{8}$ ", and are of white pine stock and have five cross panels. They are shipped equipped with hardware and fitted into sections like the outside doors.

The roofs are shipped in factory built sections 3'0" wide (end or verge roof sections are 3'6" wide for the 24 foot wide buildings.)

The sheathing is 1" No. 2 Southern Yellow Pine.

For insulation and appearance the under side of roof sections is lined with wallboard.

The roofing is Circle A greenslate coated, asphaltum composition, weighing 80 lbs. per square. It is shipped in rolls and is applied in the regular way.

### **Collar Beams**

Collar beams or trusses are of specially selected timber. They are 2" by 4" in size and are 6'0" on centers. Diagonals are 1" x 6" and hangers are 2" x 4".

### **Hardware**

Hardware is of brushed brass finish and is of good quality. It is attached to windows and doors at mills.

All bolts, nails, spikes, etc., necessary for erection of buildings are included.

### **Painting**

Exterior body is stained brown. Exterior trim, doors and windows primed with one coat of white lead and oil. Interior trim stained brown. Walls and floor are left natural color.

### **Finish**

The floor left natural. Plaster and wallboard panels left natural. Inside trim, stained brown. Window sash inside, stained brown. Exterior trim, consisting of window sash, doors, window frames, corner posts, etc., white lead and oil.

### **Heating Plant**

For the convenience of purchasers of Circle A Churches, we carry in stock and can ship you on special order, a heating system adequate comfortably to warm the building in the most severe weather.

### **School Buildings Also**

The principle of interchangeable unit construction employed in Circle A Churches has for years been successfully utilized for school buildings.

For details and plans of our standard one-, two-, three- and four-room schools, send for the Circle A School catalogue.

### **Additional Information**

For detailed information as to costs write to any of the offices listed below.

**The Circle A Products Corporation** MAIN SALES OFFICE AND PLANT **Champaign, Illinois**

CHICAGO, 20 W. Jackson Blvd.

NEW YORK, 23 E. 26th Street

PITTSBURGH, 634 Wabash Bldg.







